MANICALAND STATE UNIVERSITY OF APPLIED SCIENCES

FACULTY OF AGRIBUSINESS AND COMMERCE

DEPARTMENT OF AGRICULTURE ECONOMICS

AND

DEVELOPMENT

ANNUAL CROP PRODUCTION

CODE: AEDT105

SESSIONAL EXAMINATIONS
SEPTEMBER 2021

DURATION: 3 HOURS

EXAMINER: Mr N. SAKADZO

INSTRUCTIONS

1. *Answer any **Four** questions*

2. *Be concise and clear*

3. *Total marks 100*

Question one

  a) Briefly describe the historical development of crop production.   **[6]**

  b) There are two major methods of classifying crop plants: (ii) **Botanical** classification which is based on the morphological similarity of plants parts; and (ii) **Economic** classification which is based on their uses. Explain the above stated methods with reference to specific examples of crops. **[15]**

  c) State **four** importance of classifying crop plants.   **[4]**

Question two

  a) Explain why consumers shun away from consuming small grains such as millets and sorghum.   **[3]**

  b) As an agronomist, explain the strategies that you could implement so as to increase sorghum production in Zimbabwe.   **[8]**

  c) Outline features which makes sorghum a drought tolerant crop.   **[4]**

  d) Discuss factors that affect population densities in sorghum grain production.   **[10]**

Question three

  a) Describe the factors that should be considered when choosing a soybean variety to grow.   **[12]**

  b) Discuss the production of soybean under the following headings:
    i. Seed inoculation   **[4]**
   ii. Weed management practises   **[4]**
  iii. Harvesting   **[5]**

Question four

  a) Describe the **field management** practices which are done in flue cured tobacco (*Nicotiana tabacum*) production.   **[15]**

b) Describe the curing process done in flue cured tobacco production.

[10]

Question five

a) Describe wheat (*Triticum aestivum*) production under the following headings:

i.	Climatic factors affecting wheat	**[6]**
ii.	Pest and disease control	**[6]**
iii.	Growth stages	**[8]**
iv.	Quality attributes	**[5]**

END OF EXAMINATION